AUTODOC CLUB

How to change front lower arm on **Mercedes W211** – replacement guide

VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MERCEDES-BENZ E-Class T-modell (S211) E 220 T CDI, MERCEDES-BENZ E-Class Saloon (W211) E 220 CDI, MERCEDES-BENZ SL (R230) 500 5.0 (230.475), MERCEDES-BENZ SL (R230) 55 AMG 5.4 (230.474), MERCEDES-BENZ E-Class Saloon (W211) E 320 (211.065), MERCEDES-BENZ E-Class Saloon (W211) E 500 (211.070), MERCEDES-BENZ E-Class Saloon (W211) E 240 (211.061), MERCEDES-BENZ E-Class Saloon (W211) E 220 CDI (211.006), MERCEDES-BENZ E-Class Saloon (W211) E 270 CDI (211.016), MERCEDES-BENZ SL (R230) 55 AMG 5.4 Kompressor (230.474), MERCEDES-BENZ E-Class T-modell (S211) E 240 T (211.261), MERCEDES-BENZ E-Class T-modell (S211) E 320 T (211.265), MERCEDES-BENZ E-Class Saloon (W211) E 200 CDI (211.004), MERCEDES-BENZ E-Class Saloon (W211) E 55 AMG Kompressor (211.076), MERCEDES-BENZ SL (R230) 350 3.7 (230.467), (+ 59)

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – MERCEDES W211. TOOLS YOU NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #21
- Drive socket # E18
- Drive socket # 21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Ball joint puller
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

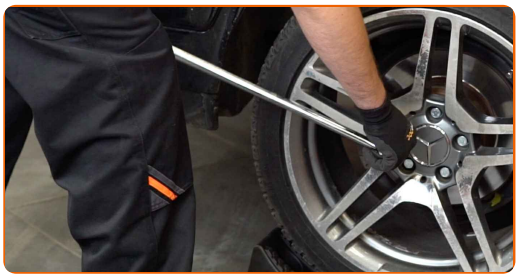
Replacement: front lower arm – Mercedes W211. AUTODOC experts recommend:

- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

REPLACEMENT: FRONT LOWER ARM – MERCEDES W211. TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the front of the car and secure on supports.

4 Unscrew the wheel bolts.

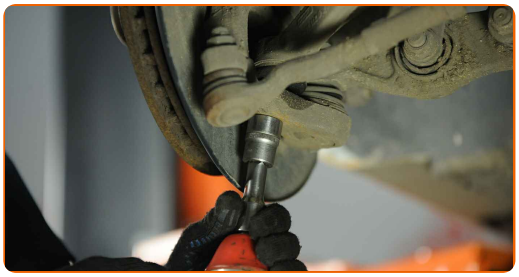
Replacement: front lower arm – Mercedes W211. Tip from AUTODOC:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5 Remove the wheel.

6 Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

7 Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #21. Use a ratchet wrench.

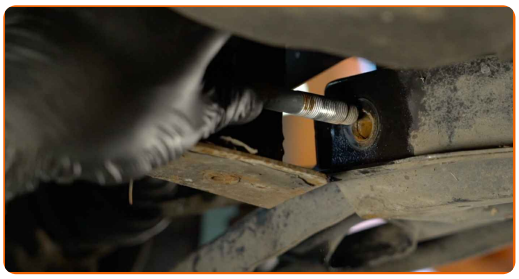


8 Disconnect the ball joint from the steering knuckle. Use a ball joint puller.

9 Clean the fasteners connecting the control arm to the subframe. Use a wire brush. Use WD-40 spray.

10 Unscrew the arm fastening from the subframe. Use a combination spanner #21. Use a drive socket #E18. Use a ratchet wrench.

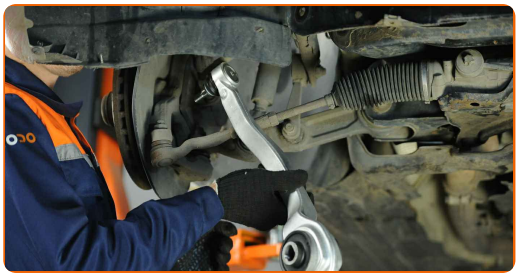
11 Remove the fastening bolt.



12 Remove the arm. Use a crowbar.

13 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.

14 Install a new arm.



Replacement: front lower arm – Mercedes W211. Professionals recommend:

- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

15 Connect the ball joint to the steering knuckle.

16 Install the fastening bolt.

17 Screw the fastener connecting the control arm to the subframe.

18 Tighten the ball joint fastener. Use a drive socket #21. Use a torque wrench. Tighten it to 50 Nm torque.+60°

AUTODOC recommends:

- Important! Be sure to use new fasteners.

19 Prop up the steering knuckle. Use a hydraulic transmission jack.

20 Tighten the arm fastening to the subframe. Use a combination spanner #21. Use a drive socket #E18. Use a torque wrench. Tighten it to 80 Nm torque.+120°

AUTODOC recommends:

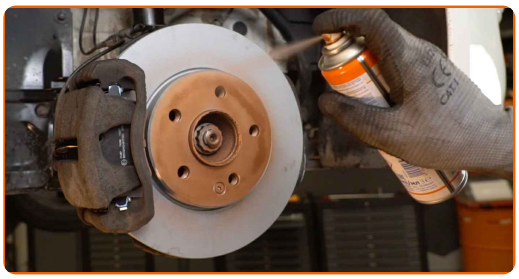
- Important! Be sure to use new fasteners.

21 Remove the support from under the steering knuckle.

AUTODOC recommends:

- Mercedes W211 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

22 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



23 Clean the brake disk surface. Use a brake cleaner.

Replacement: front lower arm – Mercedes W211. Tip:

- After applying the spray, wait a few minutes.

24 Install the wheel.

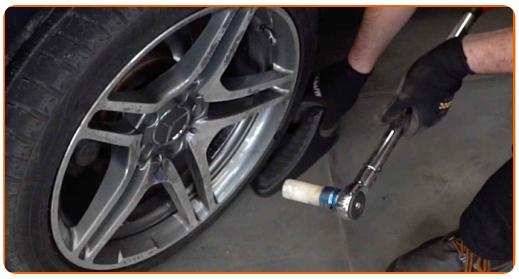
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mercedes W211

25 Screw in the wheel bolts. Use wheel impact socket #17.

26 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

27 Remove the jacks and chocks.



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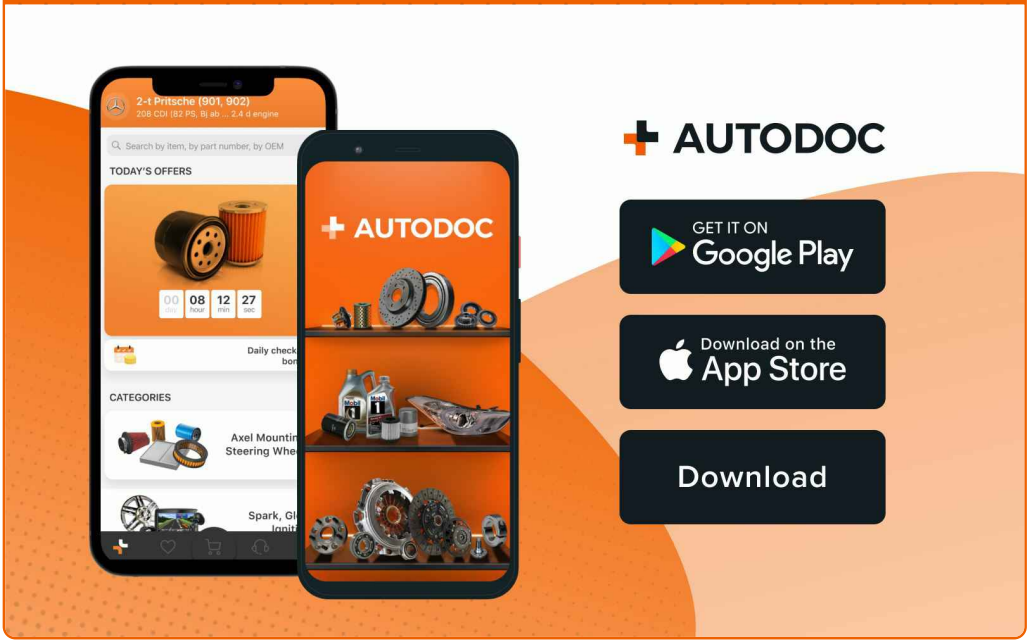

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